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CONSTITUTION.

ADOPTED AT ROCHESTER, N. Y. 1892.

ARTICLE I.

This Association shall be called the AMERICAN MICROSCOPICAL SOCIETY. Its object shall be, the encouragement of microscopical research.

ARTICLE II.

Any person interested in microscopical science may become a member of this Society upon written application and recommendation by two members, nomination by the Executive Committee, and election by a majority of the members of the Society present at any regular session of the Society. Honorary members may also be elected by the Society on nomination by the Executive Committee.

ARTICLE III.

The officers of this Society shall consist of a President and two Vice-Presidents, who shall hold their office for one year, and shall be ineligible for re-election for two years after the expiration of their terms of office, together with a Secretary and Treasurer, who shall be elected for three years and be eligible for re-election.

ARTICLE IV.

The duties of the officers shall be the same as are usual in similar organizations; in addition to which it shall be the duty of the President to deliver an address during the meeting at which he presides; of the Treasurer to act as custodian of the property of the Society, and of the Secretary to edit and publish the Proceedings of the Society.

ARTICLE V.

There shall be an Executive Committee, consisting of the officers of the Society, three members elected by the Society, and

the past Presidents of the Society, and of the American Society of Microscopists.

ARTICLE VI.

It shall be the duty of the Executive Committee to fix the time and place of meeting and manage the general affairs of the Society.

ARTICLE VII.

The initiation fee shall be three dollars, and the dues shall be two dollars annually, paid in advance.

ARTICLE VIII.

The election of officers shall be by ballot.

ARTICLE IX.

Amendments to the Constitution may be made by a two-thirds' vote of all members present at any annual meeting, after having been proposed at the preceding annual meeting.

By-Laws.

I.

The Executive Committee shall, before the close of the annual meeting for which they are elected, examine the papers presented and decide upon their publication or otherwise dispose of them.

All papers accepted for publicalion must be completed by the authors and placed in the hands of the Secretary by October 1st succeeding the meeting.

II.

The Secretary shall edit and publish the papers accepted, with the necessary illustrations, in four numbers. The first number to be issued not later than October 1, after the meeting, and the remaining three numbers at intervals of not more than three months.

III.

The number of copies of Proceedings of any meeting shall be decided at that meeting. Each author of papers accepted and

published shall be entitled to twenty-five separates of his paper and as many more at the cost of publishing, as he may request at the time that his manuscript is sent to the Secretary.

IV.

Papers accepted for publication by the Society shall not be published elsewhere until after they have appeared in the Proceedings of the Society, except by consent of the Executive Committee.

V.

No applicant shall be considered a member until he has paid his dues. Any member failing to pay his dues for two consecutive years and after two written notifications from the Treasurer shall be dropped from the roll, with the privilege of re-instatement at any time on payment of all arrears. The Proceedings shall not be sent to any member whose dues are unpaid.

VI.

The election of officers shall be held on the morning of the last day of the annual meeting. Their term of office shall commence at the close of the meeting at which they are elected, and shall continue till their successors are elected and qualified.

VII.

Candidates for office shall be nominated by a committee of five members of the Society. This committee shall be elected by a plurality vote, by ballot, after free nomination, on the second day of the annual meeting.

VIII.

All motions or resolutions relating to the business of the Society shall be referred for consideration to the Executive Committee before discussion and final action by the Society.

IX.

Members of the Society shall have the privilege of enrolling members of their families (except men over 21 years of age) for any meeting on payment of one-half the annual subscription (1.00).

Approved by the Society, August 11, 1892.

LIST OF MEMBERS.

The figures denote the year of the member's election, except '78, which marks an original member. The Proceedings are not sent to members in arrears, and two years' arrearage forfeits membership. (See Article VII. of the Constitution.)

Members Elected at Ithaca, N. Y., 1895.

For addresses see regular list.

BUSCH, FREDERICK CARL.
BUSH, BERTHA E., M.D.
CONSER, HARRY NEWTON.
DORR, S. HOBART.
EGELING, B. F. GUSTAVUS.
EIGENMANN, C. H.
ELLIOTT, L. BAYARD.
GREEN, DUDLEY T.
HUMPHREY, O. D.
KERR, ABRAM TUCKER.
KRAFT, WILLIAM.
LANDACRE, FRANCIS L.
MCGREGOR, JAMES H.
MERCIER, A.
SECOR, JABIN.
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TINGLEY, J., M.D., '89, ... P. O. box 425, Pittsburgh, Pa.
TIVY, W. H., '81. . . . . 207 N. 2d St., St. Louis, Mo.
TOLMAN, HENRY L., F.R.M.S., '83, 923 Opera House Building, Chicago, Ill.
TURNER, HENRY H., '84, ... 45 Stone St., Rochester, N. Y.
TUTTLE, A. H., Ph.D., F.R.M.S., '79, . University of Virginia, Va.
TWITCHELL, GEO. B., '86 . . 556 Freeman Ave., Cincinnati, Ohio.

VANDERPOEL, FRANK, M.E., '87, . 191 Roseville Ave., Newark, N. J.
VEEDER, ANDREW T., M.D., '83, Hamilton Building, Pittsburgh, Pa.
VEEDER, M. A., M.D., '85, ... Lyons, N. Y.
VORCE, C. M., F.R.M.S., '78, . . 5 Rouse Block, Cleveland, Ohio.
VREDENBURGH, E. H., '84, . . 122 S. Fitzhugh St., Rochester, N. Y.

WAGENHALS, Rev. SAMUEL, '82, ... Fort Wayne, Ind.
WALL, JOHN L., F.R.M.S., '78, . . 338 6th Ave., New York City.
WALMSLEY, W. H., F.R.M.S., '78, . 134 Wabash Ave., Chicago, Ill.
WARD, HENRY B., A.M., Ph.D., '87,
Professor of Zoölogy, Nebraska University, Lincoln, Neb.
WARD, R. H., M.D., F.R.M.S., '78, ... 53 4th St., Troy, N. Y.
WEBER, HENRY A., Ph.D., '86, . 1342 Forsyth Ave., Columbus, Ohio.
WEIGHTMAN, CHAS. H., '86, . . 5859 Michigan Av., Chicago, Ill.
WELCH, GEO. O., M.D., '91, , . Box 416, Fergus Falls, Minn.
WENDE, ERNEST, M.D., '91, . . 471 Delaware Ave., Buffalo, N. Y.
WERUM, J. H., '93, ... Toledo, Ohio.
WEST, CHAS. E., LL. D., F.R.M.S., '79, 76 Pierrepont St., Brooklyn, N. Y.
WESTOVER. H. W., M.D., '86, ... St. Joseph, Mo.
WHELPLEY, H. M., M.D., Ph.G., F.R.M.S., '90,
2342 Albion Place, St. Louis, Mo.
WHITE, JONATHAN, ESQ., '91, ... 254 Main St., Brockton, Mass.

WHITE, MOSES C., M.D., '85, . . Box 1674, New Haven, Conn.
WHITLEY, JAMES D., M.D., '85, ... Petersburg, Ill.
WIARD, MARTIN S., '86, . . 21 Walnut St., New Britain, Conn.
WIEGAND, KARL MCKAY, '94, ... Ithaca, N. Y.
WILBER, GEO. D., M.D., '93, . . . 3108 Gilpin St., Denver, Col.
WILLICH, CHAS., JR., '90, . . 696 President St., New York, City.
WILLSON, LEONIDAS A., '85, . . 13 Public Square, Cleveland, Ohio.
WILSON, Mrs. MARY R., M.D., '95 . . . . . Ithaca, N. Y.
WOODWARD, ANTHONY, '85, . . 206 W. 128th St., New York City.
WOOLMAN, GEO. S., '79, . . . 116 Fulton St., New York City.

YOUNG, AUGUSTUS A., '92, . . . Newark, Wayne Co., N. Y.
YZNAGA, JOSÉ M., ESQ., '90, . . May Building, Washington, D. C.

ZENTMAYER, FRANK, '91, . . . 209 S. 11th St., Philadelphia, Pa.

Honorary Members.

CRISP, FRANK, LL.B., B.A., F.R.M.S.,
5 Landsdowne Road, Nottingham Hill, London, England.
DALLINGER, Rev, W. H., F.R.S., F.R.M.S.,
Ingleside, Lee, S. E., London, England.
HUDSON, Rev. C. T., A.M., LL.D., F.R.M.S.,
6 Royal York Crescent, Clifton, Bristol, England.

ANNOUNCEMENT

OF THE

EIGHTEENTH ANNUAL MEETING

OF THE

The American Microscopical Society,

TO BE HELD AT

ITHACA, NEW YORK,

August 21, 22 and 23, 1895.

OFFICERS OF THE AMERICAN MICROSCOPICAL SOCIETY FOR 1895.

PRESIDENT,

PROFESSOR SIMON HENRY GAGE, Ithaca, N. Y.

VICE-PRESIDENTS,

DR. V. A. MOORE, Washington, D. C. H. C. HANKS San Francisco, Cal.

SECRETARY,

DR. WILLIAM H. SEAMAN, Washington, D. C.

TREASURER,

MAGNUS PFLAUM, Pittsburg, Pa.

EXECUTIVE COMMITTEE,

DR. ROBERT O. MOODY, New Haven, Conn.

CHARLES S. SCHULTZ, Hoboken, N. J.

PROFESSOR HENRY B. WARD, Lincoln, Neb.

EIGHTEENTH ANNUAL MEETING

OF

THE AMERICAN MICROSCOPICAL SOCIETY.

PLACE OF MEETING.

The Eighteenth Annual Meeting of the American Microscopical Society will convene in McGraw Hall, at Cornell University, Ithaca, N.Y., Wednesday morning, August 21st, 1895, and continue in session three days.

If one considers the distribution of the members, Ithaca is as central a point for meeting as can be found. Moreover those who desire to attend the meeting of the American Association for the advancement of Science the following week will find little inconvenience in attending the Ithaca meeting.

The accommodations afforded by the University buildings, and their equipment for carrying on all lines of microscopical work, add very materially to the attractiveness of Ithaca as a place of meeting. Add to this the richness of both terrestrial and aquatic fauna and flora, and it is almost an ideal place, both to the student of natural history and to those who love beautiful scenery.

It has often enough been demonstrated that local interest contributes a great deal toward the success of a meeting. Much interest in the coming meeting has already been shown by the people of Ithaca. A large local committee has been formed and everything will be done within its power, that will contribute to the comfort and enjoyment of the members and their friends.

In most of the scientific departments of the University there are already members of the Society, and in all departments there will be a most hearty welcome, and every reasonable aid will be furnished for the success of the meeting. Finally and not least, the President of the University extends to the Society a most cordial welcome.

The University buildings, which will be at the disposal of the Society, are especially adapted for the formal presentation of papers, blackboard illustration, hanging of diagrams, etc., as well as for any demonstration that authors may desire to make. The Armory is very conveniently located for the University and for the city, and a soiree there can hardly fail to be a success.

The University possesses one of Roger's dividing engines and the department of Physics has kindly promised to show the members exactly how micrometers are made. There is also a large comparator for carefully testing micrometers after they are made. This one was actually used in determining the exactness of the rulings of our standard centimeter.

HOW TO REACH ITHACA BY RAILROAD.

The local time-table is as follows :

LEHIGH VALLEY.—Northward—*6:41 A. M., 8:20 A M., *4:30 P. M., 5:45 P. M.
Southward—8:25 A. M., 11:45 A. M., 8:00 P. M., *10:15 P. M.; also train from the north arrives at 12:40 P. M., daily.
Southward—11:30 A. M., Sunday only.

AUBURN BRANCH, L. V.—Leave—8:30 A. M., 1:00 P. M., 4:05 P. M.
Arrive—8:10 A. M., 12:35 P. M., 7.55 P. M.

DELAWARE, LACKAWANNA & WESTERN.—Leave—8:55 A. M., 12:00 M., 7:00 P. M.
Arrive—6:55 A. M., 1:28 P. M., 4:55 P. M.

ELMIRA, CORTLAND & NORTHERN.—Eastward—8:56 A. M., 3.22 P. M., 6:17 P. M., Sunday, 9:50 A. M.
Westward—9:42 A. M., 3:58 P. M., 9:03 P. M., Sunday, 4:53 P. M.
*Sunday.

Ithaca is upon the main line of the Lehigh Valley Railroad, about four hours ride from Buffalo, and ten hours from New York and Philadelphia. The Elmira, Cortland and Northern Railroad passes through the city connecting, at Elmira with the New York, Lake Erie, and Western Railroad, the Delaware, Lackawanna and Western Railroad, and other roads ; also connecting in Canastota with the New York Central Railroad and the West Shore Railroad. The Delaware, Lackawanna and Western Railroad has a line into Ithaca connecting with the main line at Owego. A branch line of the Lehigh Valley Railroad connects with the Auburn branch of the New York Central Railroad at Auburn and Owego.

Steamboats connect daily with both east and west bound trains on the New York Central Railroad (Auburn branch).

A representative of the local committee will meet each incoming train Tuesday and Wednesday, in order to give information to arriving members. He will wear a conspicuous badge bearing the initials of the Society, A. M. S.

RAILROAD RATES.

Arrangements have been made with the Traffic Association whereby a reduction to one and one-third fare for round trip for persons attending the meeting will be made.

INSTRUCTIONS TO PERSONS ATTENDING THE MEETING.

1. The reduction is made upon all railroads comprised in the the Trunk-Line territory and also the territory of the Central Traffic Association. The membership is almost entirely within the limits of the territory covered by these organizations.

2. The reduction is fare and a third on Committee's certificate, conditional on there being an attendance at the meeting of not less than 100 persons who traveled thereto on some legitimate form of railroad transportation.

3. The reduction applies to persons starting from Trunk Line or Central Traffic Association territory who have paid 75 cents or upwards for their

going journey. Each person availing of it will pay full first-class fare going to the meeting and get a certificate filled in on one side by the agent of whom the ticket is purchased. Agents at all important stations and coupon ticket offices are supplied with certificates.

4. Certificates are not kept at all stations. If, however, the ticket agent at a local station is not supplied with certificates and through tickets to place of meeting, he can inform the delegates of the nearest important station where they can be obtained. In such a case the delegate should purchase a local ticket to such station and there take up his certificate and through ticket to place of meeting.

5. Going tickets, in connection with which certificates are issued for return, may be sold only within three days (Sunday excepted) prior to and during the continuance of the meeting; except that, when meetings are held at distant points to which the authorized limit is greater than three days, tickets may be sold before the meeting in accordance with the limits shown in regular tariffs.

6. Deposit the certificate with the secretary or other proper officer of the organization at the meeting, for necessary endorsement and visé of special agent.

7. Certificates are not transferable, and return tickets secured upon certificates are not transferable.

8. On presentation of the certificate, duly filled in on both sides, within three days (Sunday excepted) after the adjournment of the meeting, the ticket agent at the place of meeting will return the holder to starting point, by the route over which the going journey was made, at one-third the highest limited fare by such route. The return ticket will in all cases be closely limited to continuous passage to destination.

9. No refund of fare will be made on account of any person failing to obtain a certificate.

WHERE THE SESSION WILL BE HELD.

The regular daily sessions will be held in McGraw Hall in the rooms occupied by the Department of Physiology and Vertebrate Zöology. The evening sessions will be held in the Botanical Lecture-room in Sage College. The soiree will be in the University gymnasium. Members of the local committee will be in attendance at the places of meeting to give all desired information. Badges will be given each member as he arrives and registers for the meeting.

HOTELS.

Ithaca Hotel—Corner of State and Aurora streets. Rates, $2.00 and $2.50 per day.

Clinton House—Cayuga street, one block from the street cars. Rates, single, $2.00 per day; double, $1.50 per day.

Tompkins House—Seneca street, one block from the street cars. Rates, $1.25 per day.

Hollister House—Seneca street, a block and a half from street cars. Rates, single, $1.50 per day; double, $1.25 per day.

Boarding Houses—There are many private boarding houses upon and near the campus, and near the street cars, where board and rooms can be secured at very reasonable rates. Suites of rooms can be secured for from $.50 to $1.00 per day, and table board at from $.75 to $1.00. These are both pleasant and convenient. Single

meals can be gotten for 25 cents each. Any one desiring accommodations at boarding houses will find it to their advantage to inquire of members of the local committee either before coming or immediately upon arriving.

Boarding places will be secured for those who fill out and return the enclosed blank. Such persons will be notified of the quarters secured for them.

STREET CAR SERVICE.

Ithaca has ample and very efficient street car service. There are two main lines, one through the main street of the city (State street), connecting the railroad depots with the University campus, and within one minute walk of both places of meeting. Cars run upon these lines every ten minutes. The other is from the business portion of the city to Renwick Park, a delightful resort upon the shore of Cayuga Lake.

EXCURSIONS.

An excursion upon Cayuga Lake will be given the members of the Society by the people of Ithaca on the afternoon and evening of the second day of the meeting. The street car company will give a ride to Renwick Park and return, from which point the party will take boats for the excursion upon the lake.

SOIREE.

Microscopes will be furnished from the University laboratories for exhibitors to use at the soiree, thus doing away with the expense and trouble of transporting microscopes. Those who desire to make special demonstrations will need to bring their own instruments.

EXPRESS.

Members desiring to send material intended for exhibition or use at the meeting, should address it to Ithaca, N. Y., care of McGraw Hall. All such packages will be delivered by the express company and cared for until called for by the owner.

MEMBERSHIP.

Blanks for membership are enclosed and others may be had on application to the Secretary, Professor W. H. Seaman, Washington, D. C.

ANNOUNCEMENT OF THE

GENERAL PROGRAMME.

Tuesday, 8:00 P. M.—Meeting of the Executive Committee, Botanical Lecture room.

FIRST DAY—WEDNESDAY.

Morning, *9:30*—McGraw Hall, Address of welcome by Hon. D. F. Van Vleet. Response by the President of the Society. Reading of papers.

Afternoon—Inspection of the Library and other University buildings. Illustration of methods of marking micrometers upon a ruling engine at Franklin Hall (Physical Building.)

Evening, *8:00*—Botanical Lecture room, President Gage's address. Subject : The Processes of Life Revealed by the Microscope.

SECOND DAY—THURSDAY.

Morning, *8:30*—McGraw Hall, Meeting of the Executive Committee. 9:30—Reading of papers.

Afternoon and Evening—Excursion on Cayuga Lake.

THIRD DAY—FRIDAY.

Morning, *8:30*—McGraw Hall, Meeting of Executive Committee. 9:30—Demonstrations and reading of papers on methods.

Afternoon—Business meeting of the Society.

Evening—Soiree in the University Gymnasium.

PRELIMINARY LIST OF PAPERS PROMISED FOR THE MEETING.

Up to the present time the following titles of papers have been received. They are arranged alphabetically under the authors.

It is hoped that the blanks for additional titles sent out with this announcement will be used and titles sent as long before the meeting as possible so that the program may be arranged in a way to make the most advantageous use of the time available for the sessions.

1. Comparison of the Fleischel, the Gower and the Specific Gravity Method of Determining the percentage of Hemoglobin in Blood for Clinical Purposes. F. C. Busch and A.T. Kerr, Jr., Buffalo, N. Y.

2. Cocaine in the study of pond-life. Professor H. N. Conser, Sunbury, Pa.

3. Paraffin and Collodion Embedding. Professor H. N. Conser.

4. The Fruits of the Order Umbelliferæ. Dr. E. J. Durand, Ithaca, N. Y.

5. The history of the Sex-Cells from the time of segregation to sexual differentiation in *Cymatogaster*. Professor C. H. Eigenmann, Bloomington, Indiana.

6. The use of Formalin in Neurology. Dr. P. A. Fish, Ithaca, N. Y.

7. The action of strong currents of electricity upon Nervous Tissue. Dr. P. A. Fish, Ithaca, N. Y.

8. The morphology of the Brain of the Soft-Shelled Turtle and the English Sparrow compared. Susanna P. Gage, Ithaca N. Y.

9. Improvements in the Collodion Method. Professor S. H. Gage, Ithaca, N. Y.

10. A fourth study of the Blood showing the relation of the Colorless corpuscle to the strength of the constitution. Dr. M. L. Holbrook, New York City.

11. The Lymphatics and the Lymph Circulation with demonstration of specimens and apparatus. Dr. Grant S. Hopkins, Ithaca, N. Y.

12. Some peculiarities in the structure of the Mouth Parts and Ovipositer of *Cicada septendecim*. Professor J. D. Hyatt, New Rochelle, N. Y.

13. The Lateral Line System of Sense Organs in Amphibia. Dr. B. F. Kingsbury, Defiance, O.

14. The Spermatheca and Methods of Fertilization in some American Newts and Salamanders. Dr. B. F. Kingsbury, Defiance, O.

15. The Segmentation of the Vertebrate Head. Dr. J. S. Kingsley, Tuft College, Mass.

16. Formalin as a Hardening Agent for Nerve Tissue. Dr. Wm. C. Krauss, Buffalo, N. Y.

17. A new Way of Marking Objectives. Dr. Wm. C. Krauss, Buffalo, N. Y.

18. Demonstration of Histological Preparations by the Projection Microscope. Drs. Krauss and Mallonee, Buffalo, N. Y.

19. Secondary Thickenings of the Rootstalk of Spathyema. Mary A. Nichols, Ithaca, N. Y.

20. A Practical Method of Referring Units of Length to the Wave Length of Sodium Light. Professor Wm. A. Rogers, Waterville, Me.

21. The Chlorophyll Bodies of Chara coronata. Professor W. W. Rowlee, Ithaca, N. Y.

22. The Fruits of the Order Compositæ. Professor W. W. Rowlee and K. M. Wiegand, Ithaca, N. Y.

23. Corky Outgrowth of Roots and their Connection with Respiration. H. Schrenk, Cambridge, Mass.

24. New Points in Photo-micrographs and Cameras, W. H. Walmsley, Chicago, Ill.

25. Some Experiments in Methods of Plankton Measurements. Professor Henry B. Ward, Lincoln, Neb.

26. The Primitive Source of Food Supply in the Great Lakes. Professor Henry B. Ward, Lincoln, Neb.

27. Two Cases of Intercellular Spaces in Vegetable Embryos. K. M. Wiegand, Ithaca, N. Y.

EXHIBIT OF MICROSCOPES, MICROTOMES AND OTHER APPARATUS.

The firms named below in alphabetical order will be represented at the meeting with the products of their manufacture as follows:

The Bausch & Lomb Optical Company of Rochester and New York, N. Y., with a full line of their Microscopes and Microtomes of New construction. Also their Photo-micrographic Camera and various Accessories.

E. Leitz, of Wetzlar, Germany, represented by Wm. Kraft, of New York, will exhibit six grades of Microscope Stands; a Mechanical Stage; Dissecting Microscope with Camera Lucida; Edinger's Projection Apparatus with Photographic Camera; Photo-Micrographic Apparatus; Microtomes of the Schanze and Thoma patterns.

Walmsley, Fuller & Co., of Chicago, will exhibit Walmsley's new "Autograph" Photo-micrographic Camera, the Improved Handy Camera, and Ross New Eclipse Microscopes.

Joseph Zentmayer of Philadelphia, Pa., will exhibit his Columbian and Continental Microscope stands and the Ryder Microtome.

These exhibits of the newest forms of microscopes, microtomes, photo-micrographic and other apparatus and accessories, together with the various apparatus in the laboratories of the University, it is believed, will help the members in selecting the apparatus likely to be most useful and best adapted to their special needs.

LOCAL COMMITTEE

PROFESSOR W. W. ROWLEE, *Chairman.*

Professor L. H. Bailey,
Eugene Baker, M.D.,
H. Bergholtz,
H. B. Besemer, M.D.,
C. P. Biggs, M.D.,
Chas. H. Blood, Esq.,
C. D. Bostwick,
Professor F. D. Boynton,
A. B. Brooks,
Maj. D. W. Burdick,
Professor G. C. Caldwell,
E. M. Chamot,
Wm. A. Church,
Professor J. H. Comstock,
Dr. E. J. Durand,
Professor W. F. Durand,
Professor H. W. Foster,
Professor E. A. Fuertes,
Chas. W. Gay,
Professor A. C. Gill,
Professor E. Hitchcock,
Dr. G. S. Hopkins,
D. F. Hoy,
Chas. A. Ives
Professor H. S. Jacoby,
B. F. Kingsbury,
Professor James Law
A. D. MacGillivray,
Professor G. S. Moler,
Professor J. L. Morris,
V. D. Morse,
J. T. Newman, Esq.,
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Professor A. N. Prentiss,
Jacob Rothschild,
Belle Sherman,
M. V. Slingerland,
D. B Stewart,
C. D. Stowell,
Professor R. S. Tarr,
Professor R. H. Thurston,
Professor E. B. Titchener,
Mayor L. G. Todd,
Hon. D. F. Van Vleet,
K. M. Wiegand,
Dr. A. C. White,
Chas. H. White,
Professor B. G. Wilder,
E. L. Williams, Esq.,
Geo. R. Williams, Esq.
R. B. Williams.
Professor S. G. Williams,
Professor H. H. Wing,
J. Winslow, M.D.

ANNOUNCEMENT

OF THE

NEXT MEETING OF

The American Microscopical Society

The next meeting of the American Microscopical Society will be held at Cornell University in Ithaca, N. Y., August 21, 22 and 23, 1895.

Considering the geographical distribution of the members, Ithaca is as central a point as can be found for the meeting. It is connected with the great trunk lines in such a way as to make it very readily accessible by railroad.

The unsurpassed beauty of the University, and the richness of both its terrestrial and aquatic fauna and flora, make this an ideal place for holding the meeting. It is equally attractive to the student of natural history and to those who love beautiful scenery.

The facilities of the University and its equipment in all lines for carrying on microscopical work add to the attractiveness of Ithaca as a place of meeting. In most of the scientific departments of the University, there are already members of the Society, and in all departments there will be a most hearty welcome, and every reasonable aid will be furnished for the success of the meeting. Finally and not least, the President of the University, Dr. Schurman, extends to the Society a most cordial welcome.

The University buildings, which will be at the disposal of the Society, are especially adapted for the formal presentation of papers, blackboard illustrations, hanging of diagrams, etc., as well as for any demonstration that authors may desire to make. The armory is very conveniently located both for the University and for the city, and a soiree there can hardly fail to be a great success.

Besides the attraction of papers and demonstrations by members, nearly all the opticians have expressed not only a willingness but a desire to be present and make an exhibit of their microscopes and microscopical apparatus, thereby affording the members an opportunity to see all the new and standard apparatus.

If one will look over the contents of the proceedings of our Society, it will be found that, following our prototype, The Royal Microscopical Society of London, our Society not only considers and publishes papers upon the microscope, its manipulation and accessories, but also the results of investigation in which the microscope plays an important role. Indeed the papers cover the entire field of human knowledge in which the microscope is an important instrument of investigation. Thus there are articles on the microscope itself and its accessories; microtomes and section cutting; methods of fixing and hardening; indeed on all the processes that must be gone through for the successful study of modern biology. Pathology and bacteriology also have their share of attention. Jurisprudence in so far as it calls upon the microscrope for aid in detecting forgeries, erasures, etc., as well as in detecting crime is also well represented. And finally there is no modern publication in

which is more fully and satisfactorily discussed the principles underlying exact standards of length, a subject vital to every user of the microscope, for if his micrometers are not exact, his work must necessarily in so far be defective. The University possesses one of Roger's dividing engines and the department of Physics has kindly promised to show the members exactly how micrometers are made. There is also a large comparator for carefully testing micrometers after they are made. This one was actually used in determining the exactness of the rulings of our standard centimeter.

A special feature of the coming meeting will be the setting apart of one or more sessions for the reading of papers on methods and the demonstration of special or new methods. The chairman of the local committee, Professor W. W. Rowlee, or the president will be glad to receive requests from those who desire to have some specially difficult method or structure elucidated, and an effort will be made to get some member particularly expert in such subject to demonstrate it before the Society.

President Gage will be upon his own ground and all may rest assured that his enthusiasm for and energies in behalf of this meeting will guarantee a profitable time to all who come. The opportunity to observe his methods in his own laboratory is a privilege none could afford to lose even if there were no other attractions.

Please make plans at once to be present, to help bring new members, and to make the next meeting worthy of the Society.

W. W. ROWLEE,

Chairman of the Local Committee.